STATE FEDERAL PROJECT NO. SHEET TOTAL SHEETS

N. J.

STRUCTURE NO.

STRUCTURE NAME

## NOTE TO DESIGNER:

THIS SHEET IS NOT TO BE PLACED INTO THE CONTRACT SET OF PLANS AS IS. HOWEVER, INDIVIDUAL DETAILS MAY BE UTILIZED FOR SHOP DRAWING REVIEW.

## **GENERAL NOTES:**

- 1. High Load Pot Bearings shall be designed in conformance with the AASHTO LRFD Bridge Design Specifications, with current interims, as modified by Section 3 of the NJDOT Design Manual for Bridges and Structures, and the NJDOT Standard Specifications for Road and Bridge Construction with current Supplemental Specifications, as modified by the Special Provisions.
- 2. The furnishing of Pot Bearings shall conform to the provisions of Subsection 503.08 of the Standard Specifications.
- 3. The Designer shall reference the criteria of Subsection 1.24.20 of the Bridges and Structures Design Manual for submission of final plans.
- 4. Generally the sole plate shall be made 2" wider than the bottom flange. This will provide 1" on each side of the flange for a downward weld attachment to the sole plate. The length of the sole plate shall be 2" longer than the top bearing plate. The minimum thickness of the sole plate shall be 3/4". When the slope of the bottom flange exceeds 0.5 percent, a tapered sole plate shall be used.
- 5. The width of the masonry plate will be dependent on the anchor bolt location. The length of the masonry plate shall be at least 2" greater than the bottom bearing plate. Thickness of the masonry plate shall be determined by the Designer.
- 6. Top and bottom bearing plates shall be welded to the sole plate and masonry plate respectively. The size of weld (W) shall be determined by the designer. Minimum weld size shall be  $\frac{5}{16}$ ".
- 7. On skewed structures, especially large skews, the designer shall investigate that there is no interference between the bearing components and any of the bracing members (bottom laterals, diaphragms, connection plates, etc.). A detail shall be shown on the plans for each significantly different configuration.
- 8. Anchor Bolt shall be threaded as shown in "ANCHOR BOLT DETAIL FOR ALL BEARINGS". The nut shall be tightened to the satisfaction of the Engineer and the Anchor Bolt tip shall be removed ½" above the top of the nut. Anchor Bolts, Plates, Washer Plates and Nuts shall conform to the requirements of NJDOT Standard Specification for Road and Bridge Construction.
- 9. This drawing represents straight simple span bridge structure. For clarity purposes no lateral bracings are shown.
- 10. If the design indicates that there will be no tension under any loading condition, the plate and nuts are not required.
  - The note should be modified to reflect applicable year and updated Specifications.

BDC04MB-01

9	STAND	ARD	DRAV	WING	a PLAT	E	2.5
NEW	JERSEY BUREAU				TRANSP ENGINEEF		ATIO

POT BEARING

ROUTE: SECTION:

MUNICIPALITY COUNTY

SCALE : NONI

SHEET NO.\_\_\_\_C

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